

TECHNICAL MEMO



Date: 7/5/2023
Project: CHS Project Orange
KFI Project Number: 22-0216
Submitted by: REB

Subject: Site Plan Application Exhibit: List of Codes and Standards
Evansville, WI

CHS Project Orange shall adhere to the Codes and Standards established by the following list of agencies. The following list is not meant to be all-inclusive, but representative of the typical codes and standards for this type of facility:

1. American Society of Mechanical Engineers (ASME)
 - a. B31.3 Process Piping
 - b. B36.10 Welded and Seamless Wrought Steel Pipe
 - c. B36.19 Stainless Steel Pipe
 - d. STS-1 Steel Stacks
 - e. Boiler and Pressure Vessel Codes
2. National Fire Protection Agency (NFPA)
 - a. NFPA 36 - Standard for Solvent Extraction Plants
 - b. NFPA 70 – National Electrical Code
 - c. NFPA 72 – Fire Alarms
3. International Building Code (IBC)
4. Industrial Duct Construction Standards - Metal and Flexible Ducts (SMACNA)
5. Underwriters Laboratories (UL)
6. American Welding Society (AWS)
 - a. D1.1 Structural Welding Code – Steel
7. American Society for Testing Material (ASTM)
8. American National Standards Institute (ANSI)
9. American Water Works Association (AWWA) Standards and Manuals of Practice
10. American Petroleum Institute (API)
 - a. Std 650 Welded Tanks for Oil Storage
11. Manufacturers Standardization Society (MSS) Standard Practices
12. Occupational Safety and Health Administration Standards (OSHA)
13. Gas Utility Company Requirements
14. Institute of Electrical and Electronics Engineers (IEEE)
 - a. IEEE 519 – Harmonic Control
 - b. IEEE 1584 Arc-Flash Calculations
15. American Institute of Steel Construction (AISC)
16. American Society of Civil Engineers (ASCE)
17. State of Wisconsin regulatory requirements
 - a. Wisconsin Department of Natural Resources (DNR)